FIGURE 1

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 181 ttcaggatca gcctgattct agggcagcag ttctcaacct gggggcctcg acccctttgg
 241 gggaatcaaa cgacccttta caggggtcac atatcatcta tcctatatgt caggtattta
 301 cattacgatt cgtaacagta gcaaaattac aggtatgaaa tagcaatgaa ataatttttat
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 421 gggaaaggtt tgggaaagcc tttctgtcca ttcttcattc ttcaaagtga tgtgttcaca
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 781 ttagctctga gtcaggcctg gaacaaacgg ccacaggaat gagaaaagct gccatagctg
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 901 ttatccattg atagcgtctc aggacagata ggacagagag aacactagga gaggggaacc
 961 cacgaaggac aaggtattag tgtgttggtt ttcagggcaa tgtcttgtac tgaagattct
1021 agaaacacaa tttgctggtt gaacagctga agtggggtgg gggttcttac cccatgttca
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1321 ttttgcctct ctcaacagca aagcttgggg ccttttttgtt tccgtgttag gaatagaaca
1381 cgagagcccc gtgtatctag gcagatgctc tatcattagc ccatgagtct ccagcctcag
1441 acgcacattt ttctcgggct ctcttaagct tttcccacag cattgggaaa ctttactgac
1501 agcatccaag ttgtgcttct gctaagaact ggactcacat ctctctgtgc atcacttcgg
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1741 agaattccaa acagatagag acaagtggca cccagaccca tctccttccc ctcgggctga
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2221 tcacccagcc ctagctatat aacgggctgg tgtggagggg ctccacaggg ccagttccag
2281 gggttcatcc acaagagaga aaaacataga ctcgaggtct agggagcttg catgcctgca
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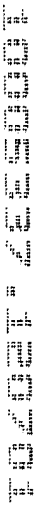
SUBSTITUTE SHEET (RULE 26)

FIGURE 2



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 421 aaaatagtga tagctgtgtc catctcaaag aaaagcccag gagatttcct ttatttaccc
 481 cctttaagat agaatattag gagaccggaa catatgatac aggaggtact gggagggtcc
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1261 cacccggctg atagctggtt tcatttactc tatttcttga ccactctgat ccattttgaa
1321 gtaaaaatgc tccaattatt atgctgtttt agaacacggt aagcatgtca tgtgctaatg
1381 gccagtgaca tcataaaaga aaagtgcatt actgaatgct ttcaatgtct tataatgatg
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1501 gatatagaca agtgccttta gggcccagat cccttccct caggctgttt acccagggaa
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1621 gatattactg ggggtgtgat atgtagggca tctacatttt cttgataggt agtcatatga
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1861 tcttcagctt cccagacact gagtctggaa tgaaaattca cctgcctctg agttggctcc
1921 taatgggggc gggagtgtta cttcggttcc caggttggaa gattatctca cccggcccca
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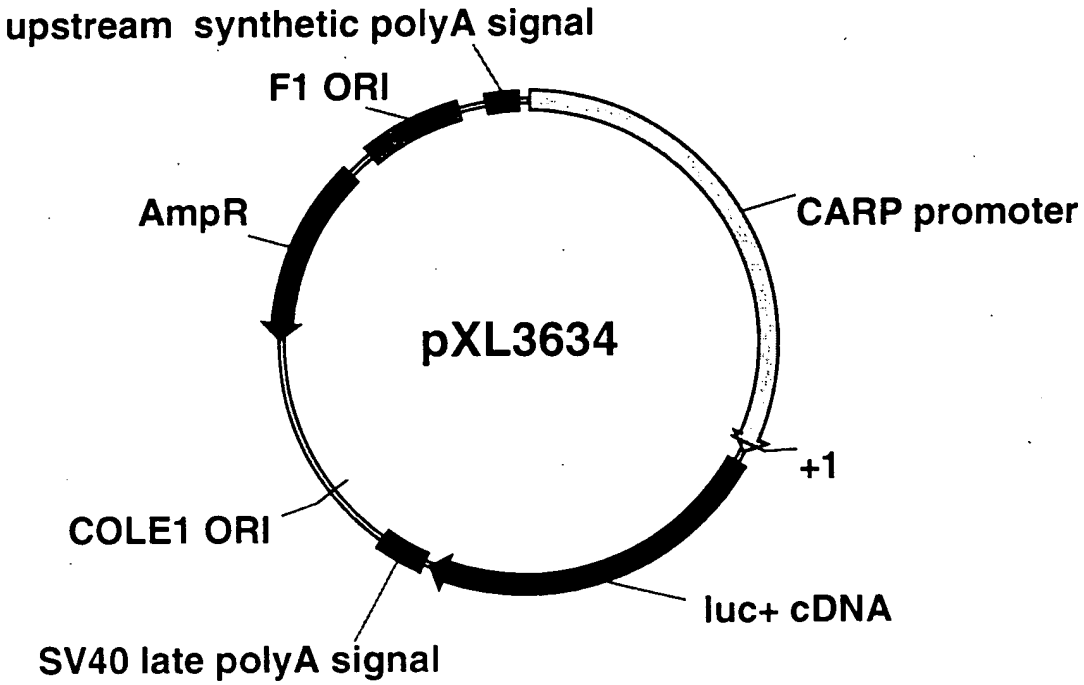
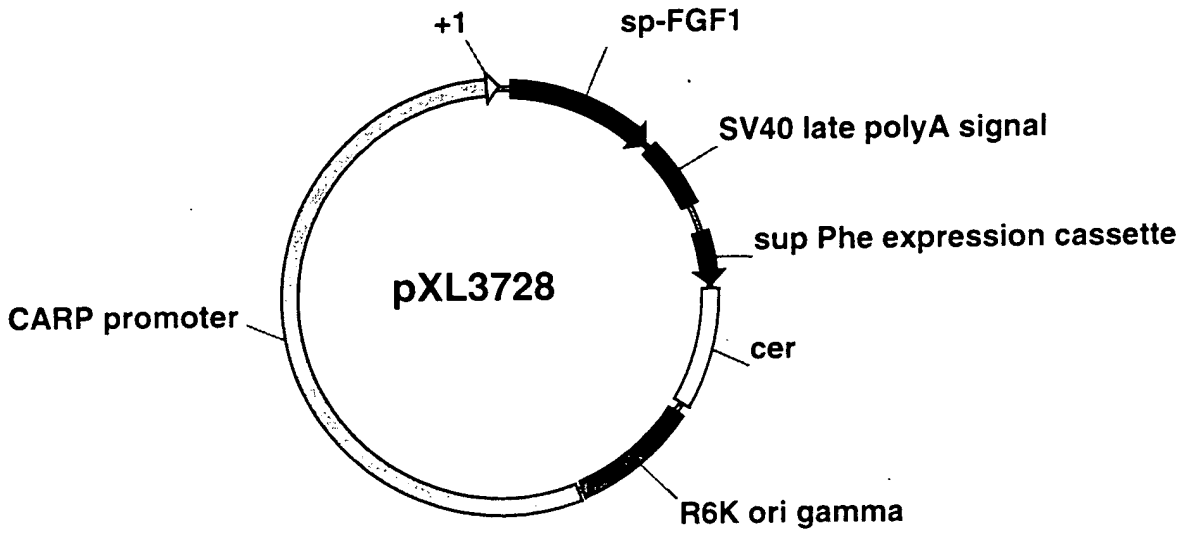
FIGURE 3



PATENT-2350-PCT

FIGURE 4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sp-FGF1
SV40 late polyA signal
sup Phe expression cassette
pXL3728
CARP promoter
cer
R6K ori gamma

FIGURE 5

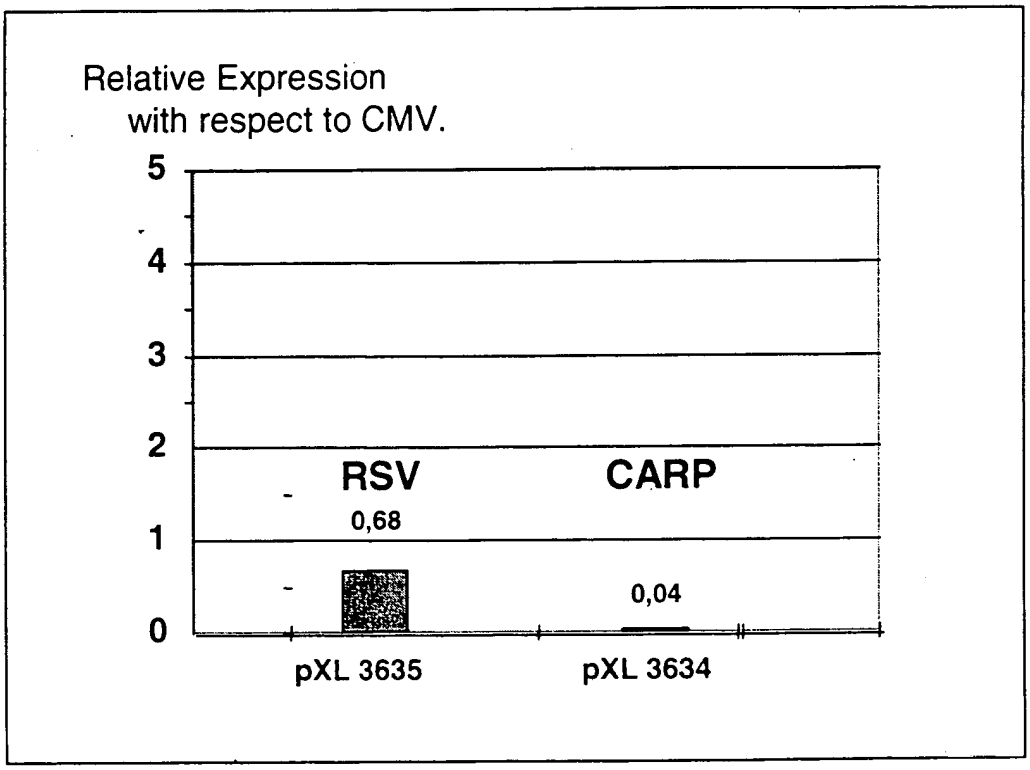

Relative Expression
with respect to CMV.
5
4
3
2
1
0
RSV
CARP
0,68
0,04
pXL 3635
pXL 3634

FIGURE 6A

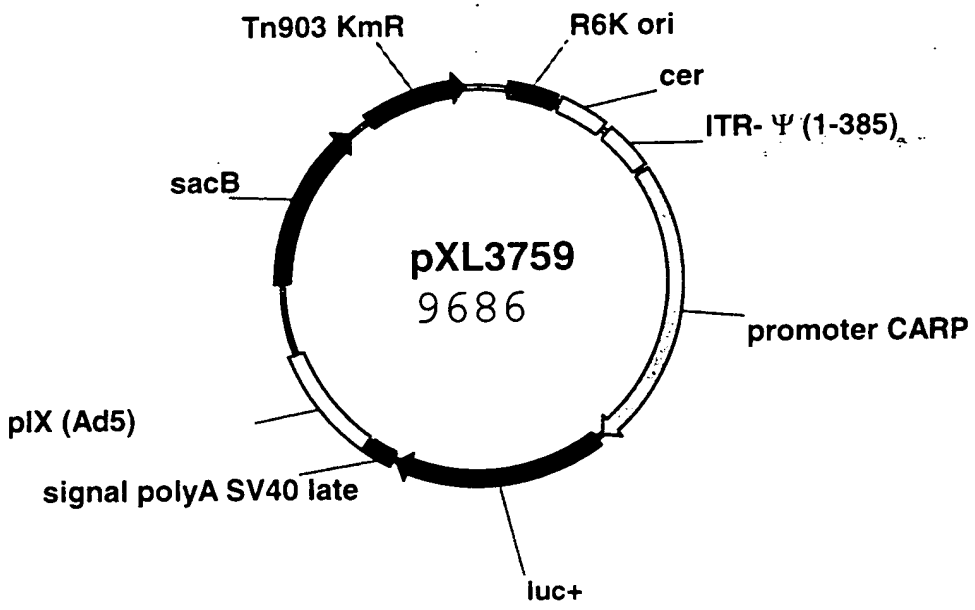


FIGURE 6B

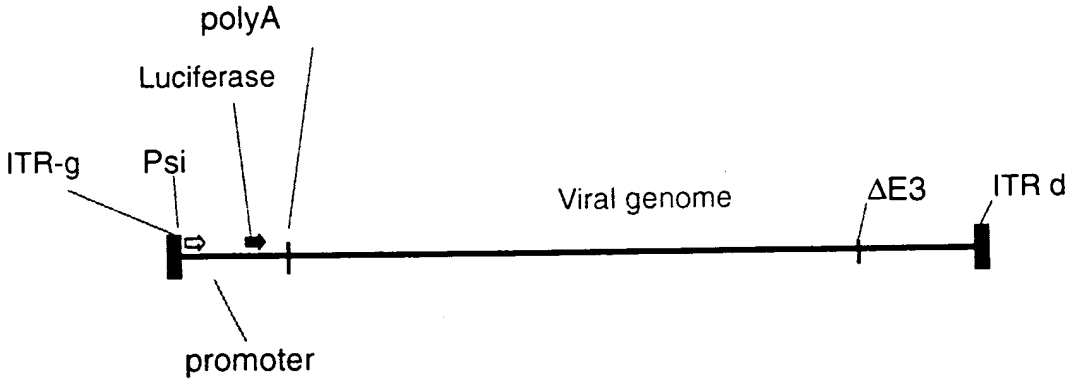


FIGURE 7A

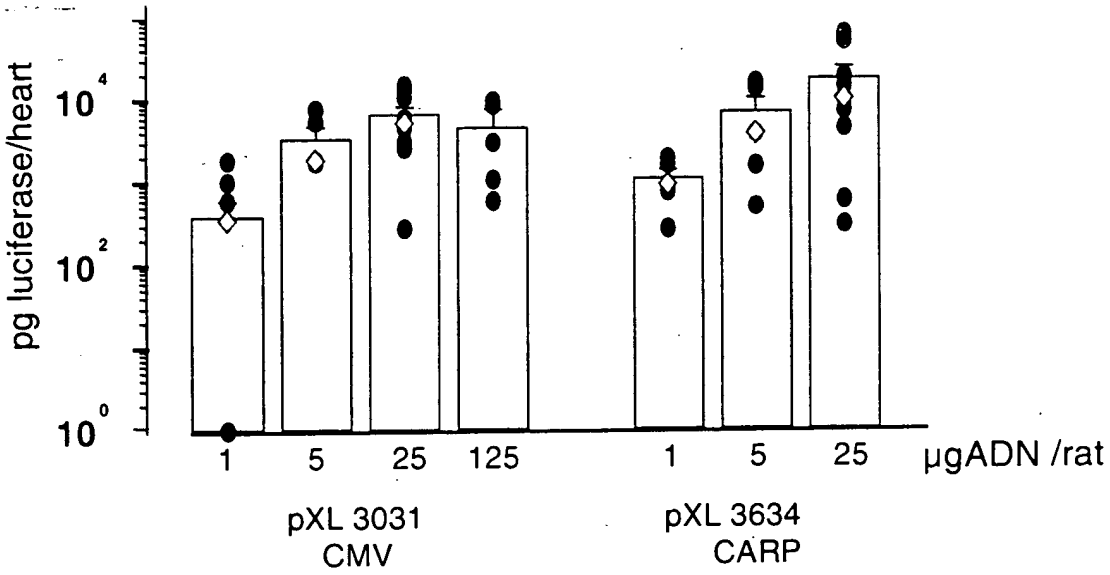


FIGURE 7B

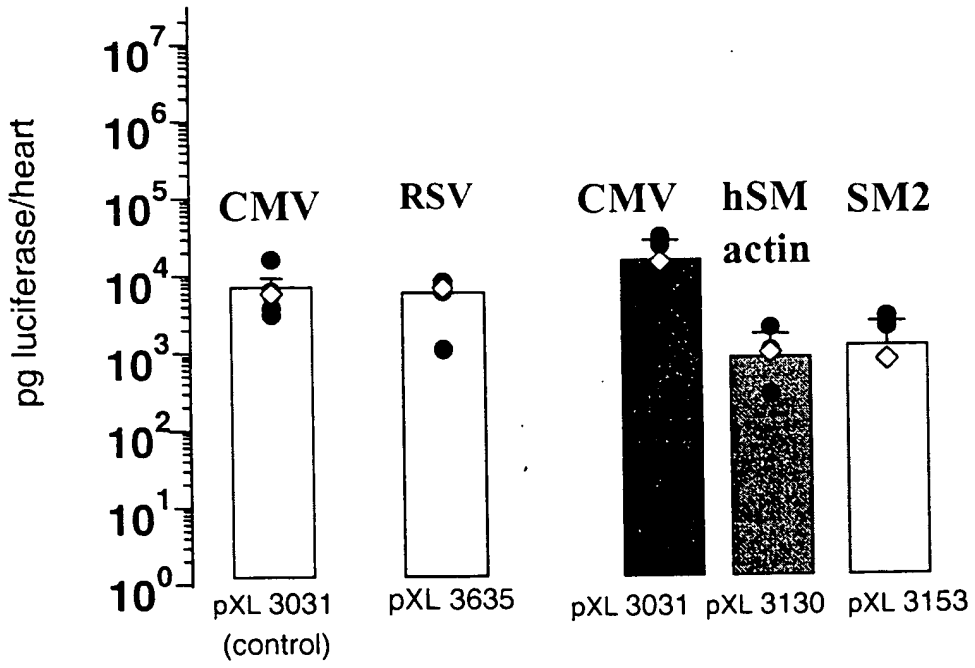
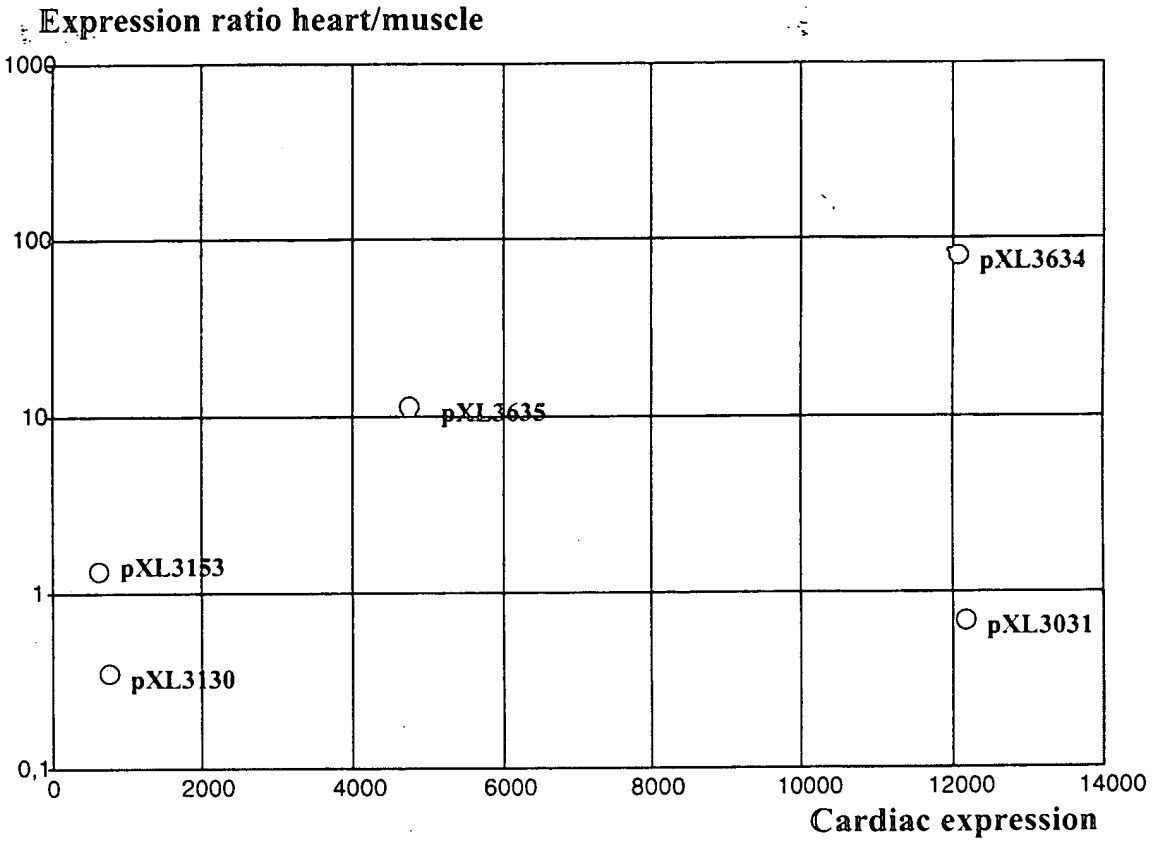


FIGURE 8


Expression ratio heart/muscle
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100
10
1
0,1
0
2000
4000
6000
8000
10000
12000
14000
Cardiac expression
pXL3634
pXL3635
pXL3153
pXL3130
pXL3031